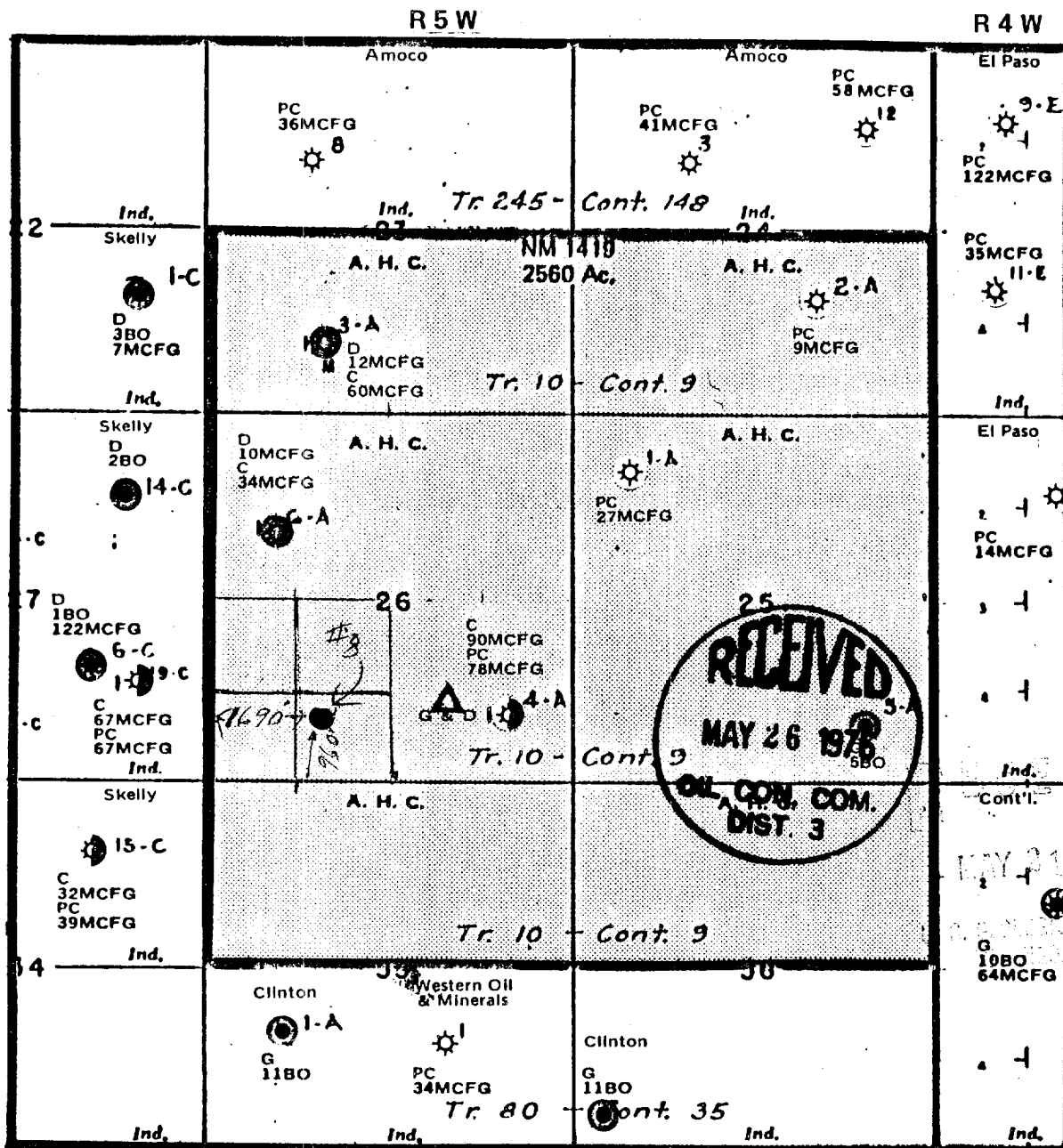




ORIENTATION MAP	GEOL / GEOPH DATA	LEGEND	TYPE OF OWNERSHIP	TULSA EXPLORATION REGION	
JICARILLA 'A' NEW MEXICO	- Pictured Cliffs - Chacra - Gallup - Dakota/Graneros - Dual Completion (Zones as color coded) - Proposed Location	- AHC - AHC Joint - Lease Outline - Offsetting Wells Outline	- Ind. - Jicarilla Apache - Fed. - Federal - St. - State	JICARILLA APACHE "A" Rio Arriba Co., New Mexico CONTRACT NO. 9 LEASE N.M.-1419 0 1/2 1 MILE	Volumes indicate average daily production.

